

WHAT IS CLAIMED IS:

1. A method of operating a matched filter of a point access memory (PAM) with variable lengths, the steps of method comprising:
 - sequentially receiving a plurality of sample data from a received signal; and
 - 5 shifting a storage position of a PN sequence according to a storage position of the sample data.
2. The method of claim 1, wherein the sample data are stored according to their sequence without shifting their storage positions.
3. A method of operating a matched filter of a point access memory (PAM) with variable lengths, suitable for a data storage region to store a received signal and for
10 the matched filter to store a PN sequence in a storage region for reference values, wherein the received signal comprises a plurality of sample data, the method comprising:
 - storing each sample data in the data storage region;
 - 15 shifting the PN sequence in the storage region for reference values to a corresponding position when all the sample data is stored in the data storage region; and
 - performing a matching operation to match all the stored sample data and the PN sequence that are positioned in the corresponding position.